

FIG. 1

- SYMBOLS**
- CRT -COMBUSTION REFERENCE TEMPERATURE
 - f -MATHEMATICAL FUNCTION
 - FT -GAS TURBINE FIRING TEMPERATURE
 - Pa -ATMOSPHERIC PRESSURE
 - P1t -TURBINE INLET PRESSURE
 - Tadb -AMBIENT AIR DRY BULB TEMPERATURE
 - Tawb -AMBIENT AIR WET BULB TEMPERATURE
 - Tcd -COMPRESSOR DISCHARGE TEMPERATURE
 - Tx -TURBINE EXHAUST GAS TEMPERATURE
 - WF -WATER FRACTION IN WATER/AIR MIXTURE ENTERING GAS TURBINE COMPRESSOR

COMPRESSOR DISCHARGE PRESSURE SENSOR
(SIMULATES TURBINE INLET PRESSURE)

COMBUSTOR

TURBINE

EXHAUST TO
STACK OR HRSG

GAS TURBINE

COMPRESSOR DISCHARGE
TEMPERATURE SENSOR

EXHAUST GAS
TEMPERATURE
SENSOR

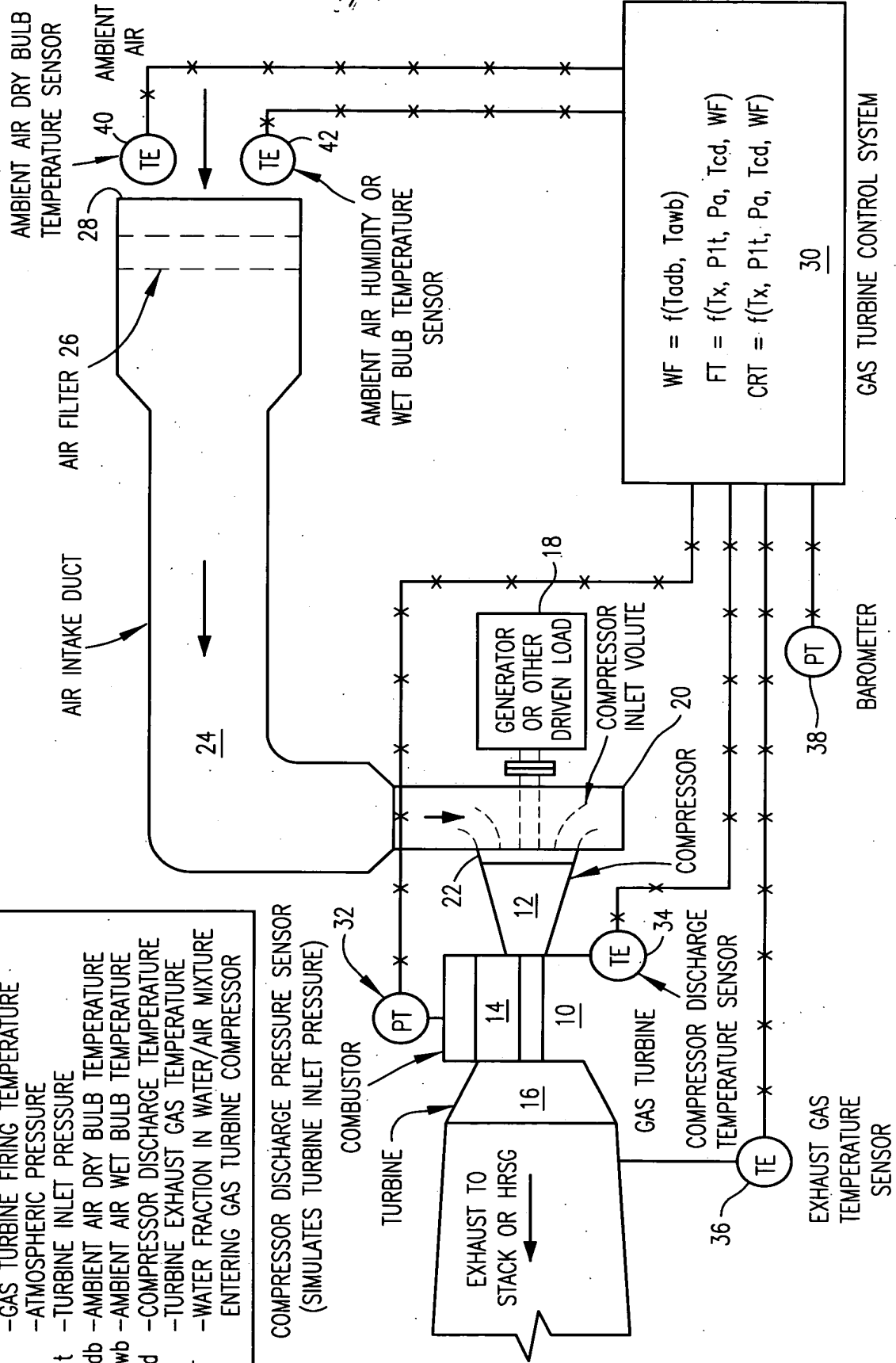
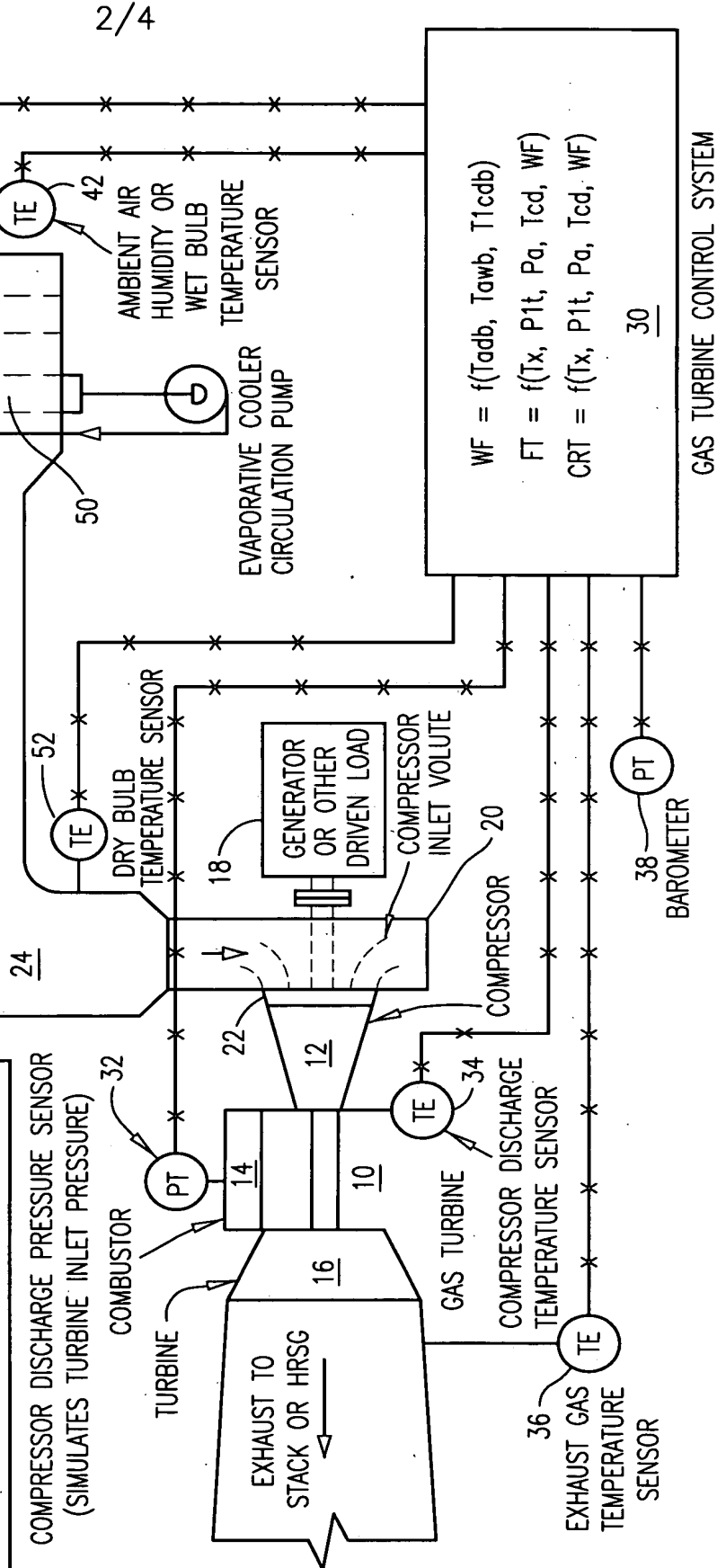


FIG. 2

SYMBOLS	
CRT	-COMBUSTION REFERENCE TEMPERATURE
f	-MATHEMATICAL FUNCTION
FT	-GAS TURBINE FIRING TEMPERATURE
Pa	-ATMOSPHERIC PRESSURE
P1t	-TURBINE INLET PRESSURE
Tadb	-AMBIENT AIR DRY BULB TEMPERATURE
Tawb	-AMBIENT AIR WET BULB TEMPERATURE
Tcd	-COMPRESSOR DISCHARGE TEMPERATURE
T1cdb	-COMPRESSOR INLET AIR DRY BULB TEMPERATURE
Tx	-TURBINE EXHAUST GAS TEMPERATURE
WF	-WATER FRACTION IN WATER/AIR MIXTURE ENTERING GAS TURBINE COMPRESSOR



SYMBOLS	
CRT	-COMBUSTION REFERENCE TEMPERATURE
f	-MATHEMATICAL FUNCTION
FT	-GAS TURBINE FIRING TEMPERATURE
Pa	-ATMOSPHERIC PRESSURE
P1t	-TURBINE INLET PRESSURE
Tadb	-AMBIENT AIR DRY BULB TEMPERATURE
Tawb	-AMBIENT AIR WET BULB TEMPERATURE
Tcd	-COMPRESSOR DISCHARGE TEMPERATURE
Tx	-TURBINE EXHAUST GAS TEMPERATURE
Wa	-COMPRESSOR AIR FLOW
Wec	-WATER FLOW TO EVAPORATIVE COOLER
WF	-WATER FRACTION IN WATER/AIR MIXTURE ENTERING GAS TURBINE COMPRESSOR

FIG. 3

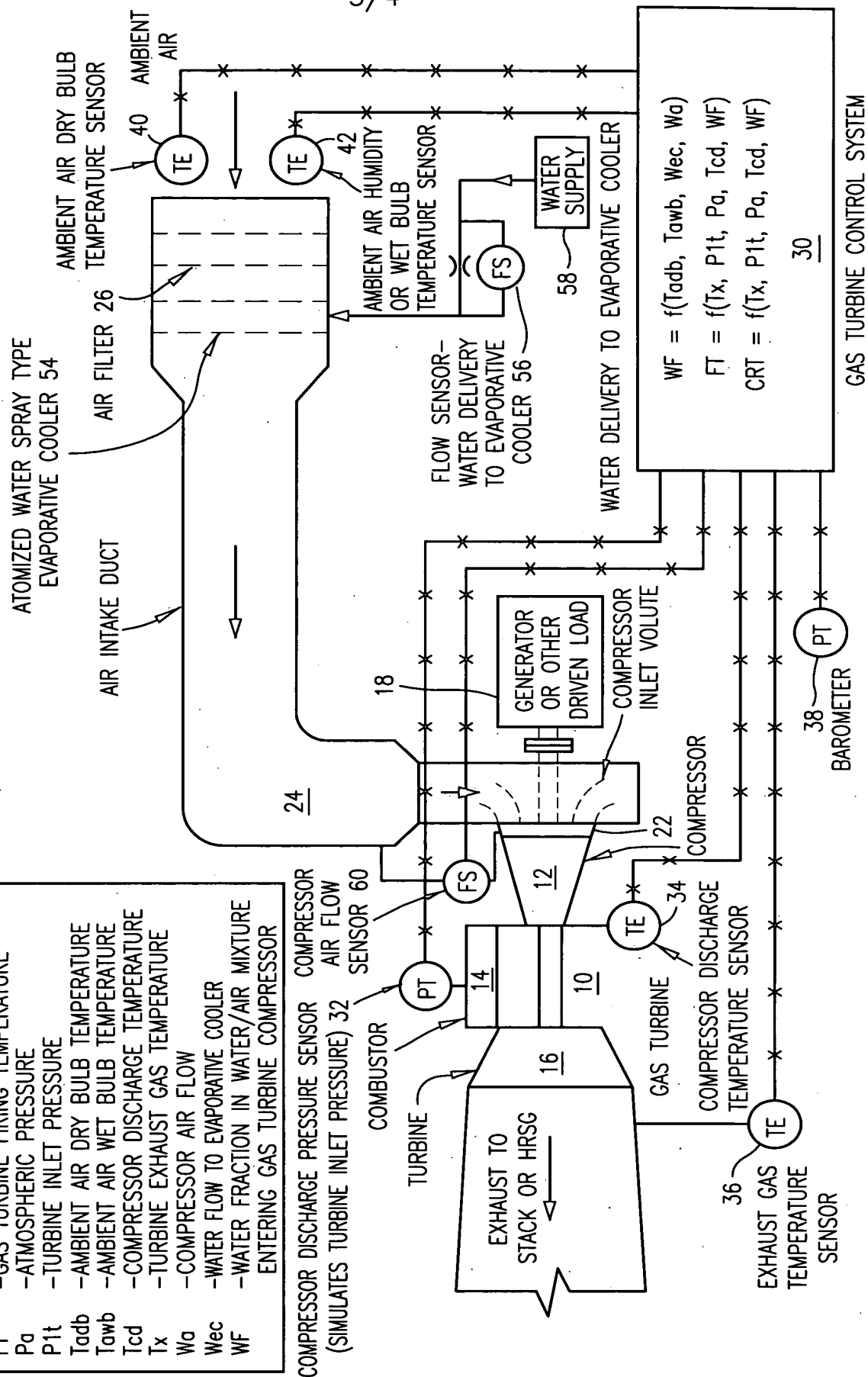


FIG. 4

